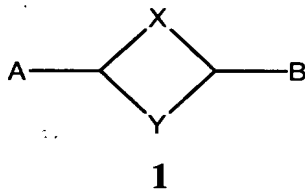


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

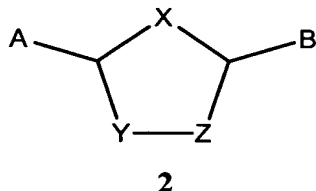
Listing of Claims:

1. (Currently Amended) An organic molecule according to ~~one of the following~~

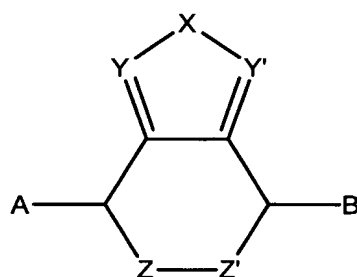


formulae:

~~wherein, X is CO and Y is selected from the group consisting of O, S, Se, Te, CS, CR1R2, NR1, SiR1R2, GeR1R2, PR1, R'; or wherein X and Y are independently selected from the group consisting of O, S, Se, CS, Te, CR1R2, NR1, SiR1R2, GeR1R2, PR1, R'; and wherein R1 and R2, which may be the same or different, are selected from the group R;~~

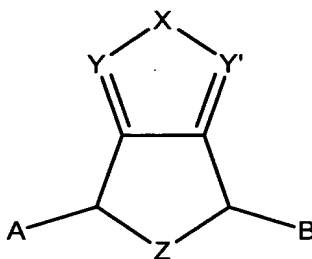


wherein X is CO and Y and Z are independently selected from the group consisting of O, S, Se, Te, CS, CR1R2, NR1, SiR1R2, GeR1R2, PR1, R'; or wherein Y and Z are each CO and X is selected from the group O, S, Se, Te, CS, CR1R2, NR1, SiR1R2, GeR1R2, PR1, R'; or wherein X and Z are each CO and Y is selected from the group O, S, Se, Te, CS, CR1R2, NR1, SiR1R2, GeR1R2, PR1, R'; or wherein X and Y are each CO and Z is selected from the group O, S, Se, Te, CS, CR1R2, NR1, SiR1R2, GeR1R2, PR1, R'; or wherein X, Y and Z are independently selected from the group consisting of O, S, Se, Te, CS, CR1R2, NR1, SiR1R2, GeR1R2, PR1, R'; and wherein R1 and R2, which may be the same or different, are selected from the group R;



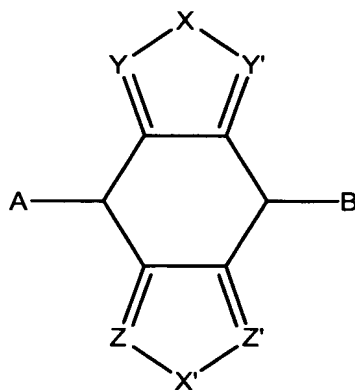
3

wherein X and Z and Z' are independently selected from the group consisting of O, S, Se, Te, CS, CR₁R₂, NR₁, SiR₁R₂, GeR₁R₂, PR₁, R'; Y and Y' are independently selected from the group CR₁, N; and wherein R₁ and R₂, which may be the same or different, are selected from the group R;



4

wherein X and Z are independently selected from the group consisting of O, S, Se, Te, CS, CR₁R₂, NR₁, SiR₁R₂, GeR₁R₂, PR₁, R'; Y and Y' are independently selected from the group CR₁, N; and wherein R₁ and R₂, which may be the same or different, are selected from the group R;



5

wherein X and X' are independently selected from the group consisting of O, S, Se, Te, CS, CR₁R₂, NR₁, SiR₁R₂, GeR₁R₂, PR₁, R'; Y, Y', Z and Z' are independently

~~selected from the group CR1, N; and wherein R1 and R2, which may be the same or different, are selected from the group R;~~

and wherein R is the group consisting of hydrogen atom, a substituted or unsubstituted alkyl group, a substituted or unsubstituted aryl group, a substituted or unsubstituted aralkyl group, a halide atom, a hydroxy group, a substituted or unsubstituted amine group, a substituted or unsubstituted alkoxy group, a substituted or unsubstituted thioalkyl group

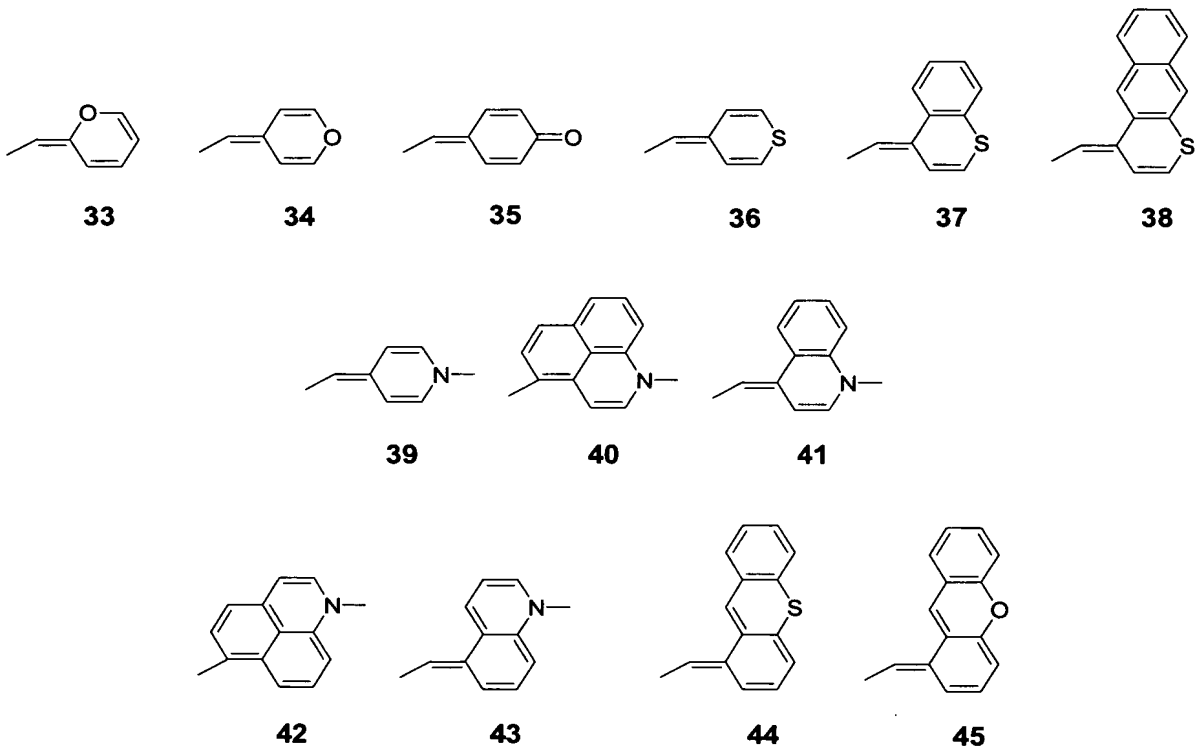
and wherein -A and -B in Formulae 1 to 5 given above are independently selected from moieties containing 2n carbon atoms each of which are connected to three (3) atoms at least one (1) of which is one (1) of the 2n carbon atoms other than a carbon atom that is double bonded to a heteroatom, wherein n is an integer equal to or greater than 1;

wherein the infrared dye absorbs strongly in the near infrared region of the spectrum but poorly in the visible region of the spectrum

2. (Currently Amended) An infrared dye according to claim 1 wherein the dye is of Formula ~~1 to 5~~ 2.

3. (Cancelled)

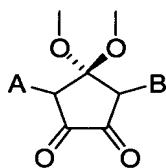
~~34.~~ (Currently Amended) An infrared dye according to claim 1 or claim 2 wherein -A and -B are each independently selected from the group consisting of:



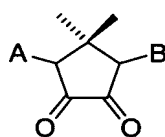
45. A compound according to claim 2 wherein -A and -B are the same.

56. (Cancelled).

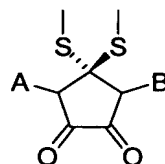
67. (Currently Amended) A compound of claim ~~5~~1 having a formula selected from the group consisting of:



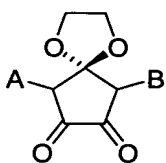
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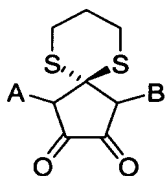
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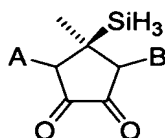
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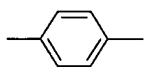


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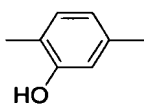


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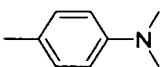
78. (Currently Amended) A compound according to claim 5 ~~or claim 6~~ wherein -A and -B are each independently selected from the group consisting of:



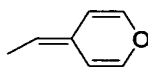
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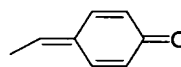
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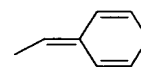
48



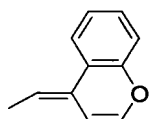
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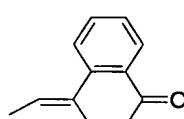
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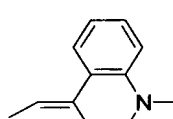
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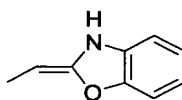
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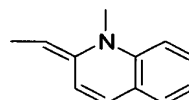
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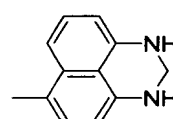
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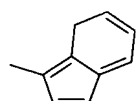
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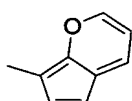
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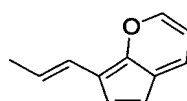
57



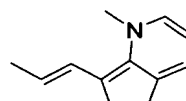
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89. (Cancelled).

~~9~~10. (Cancelled)

~~10~~11. (Cancelled)

~~11~~12. (Cancelled)

~~12~~13. (Cancelled)

~~13~~14. (Cancelled)

~~14~~15. (Currently Amended) An infrared dye composition comprising a compound according to claim 1.

~~15~~16. (Currently Amended) An infrared absorbing compound according to claim 1 wherein one or more polar group substituents such as $-\text{SO}_3\text{H}$, $-\text{NH}_2$ and $-\text{CN}$ are utilized.

~~16~~17. (Currently Amended) A solvent-based ink composition comprising a compound according to claim 1.

~~17~~18. (Currently Amended) A solvent-based ink according to claim ~~15~~17 which is ink jet printer ink.